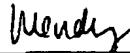


**CERTIFICATE OF TRANSMISSION**

I hereby certify that this correspondence is being facsimile transmitted to the United States Patent and Trademark Office, Alexandria VA 22313-1450 on January 17, 2005.

Signed:



Wendy LIM

**Facsimile Transmission Cover Sheet**

Recipient: Mail Stop PCT  
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Art Unit 2811

Confirmation No. 1967

Sender: Dexter Chin  
Horizon IP Pte Ltd  
Office (65) 9836 9908

Subject Matter: US Patent Application Number: 10/707,968  
Petition Under 37 CFR 1.78(a)(3)  
for Accepting an Unintentionally Delayed Benefit Claim

Total Pages (including cover sheet): 9 pages

Attachments:

- 1) Certificate of Transmission
- 2) Transmittal Form
- 3) Fee Transmittal Form
- 4) Petition Under 37CFR 1.78(a)(3) for Accepting an Unintentionally Delayed Benefit Claim
- 5) Application Data Sheet -3pgs 01/25/2005 CSM00T 00000004 502388 10707968

Sale Ref: 00000004 DA# 502388 10707968

01 FC:1454 1370.00 DA

PTO/SB/97 (05-03)

Approved for use through 04/30/2003. OMB 0651-0031

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- 1) Transmittal Form
- 2) Fcc Transmittal Form
- 3) Petition Under 37CFR 1.78(a)(3) for Accepting an Unintentionally Delayed Benefit Claim
- 4) Application Data Sheet - 3 pgs

This collection of information is required by 37 CFR 1.8. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.8 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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PTO/SB/21 (09-04)

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TRANSMITTAL  
FORM

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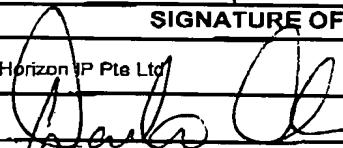
Total Number of Pages in This Submission

Application Number	10/707,968
Filing Date	January 29, 2004
First Named Inventor	Dominique MANGELINCK
Art Unit	2811
Examiner Name	Not Assigned Yet
Total Number of Pages in This Submission	9
Attorney Docket Number	ASTAP2004-01

## ENCLOSURES (Check all that apply)

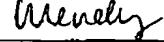
<input checked="" type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached  <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s)  <input type="checkbox"/> Extension of Time Request  <input type="checkbox"/> Express Abandonment Request  <input type="checkbox"/> Information Disclosure Statement  <input type="checkbox"/> Certified Copy of Priority Document(s)  <input type="checkbox"/> Reply to Missing Parts/ Incomplete Application <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers  <input checked="" type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation <input type="checkbox"/> Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____ <input type="checkbox"/> Landscape Table on CD	<input type="checkbox"/> After Allowance Communication to TC <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input type="checkbox"/> Other Enclosure(s) (please identify below):
<b>Remarks</b> 1) Petition Under 37CFR 1.78(a)(3) for Accepting an Unintentionally Delayed Benefit Claim 2) Application Data Sheet - 3 pgs		

## SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm Name	Horizon IP Pte Ltd		
Signature			
Printed name	Dexter CHIN		
Date	January 17, 2004	Reg. No.	38,842

## CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below:

Signature	
Typed or printed name	Wendy LIM
Date	January 17, 2005

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Effective on 12/08/2004.

Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).

# FEE TRANSMITTAL

## For FY 2005

Applicant claims small entity status. See 37 CFR 1.27

**TOTAL AMOUNT OF PAYMENT** (\$)  
\$1,370

### Complete if Known

Application Number	10/707,968
Filing Date	January 29, 2004
First Named Inventor	Dominique MANGELINCK
Examiner Name	Not Assigned Yet
Art Unit	2811
Attorney Docket No.	ASTAP2004-01

### METHOD OF PAYMENT (check all that apply)

Check  Credit Card  Money Order  None  Other (please identify): \_\_\_\_\_

Deposit Account Deposit Account Number: 50-2388 Deposit Account Name: Horizon IP Pte Ltd

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

Charge fee(s) indicated below  Charge fee(s) indicated below, except for the filing fee

Charge any additional fee(s) or underpayments of fee(s)  Credit any overpayments

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

### FEE CALCULATION

#### 1. BASIC FILING, SEARCH, AND EXAMINATION FEES

Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		Fees Paid (\$)
	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	
Utility	300	150	500	250	200	100	
Design	200	100	100	50	130	65	
Plant	200	100	300	150	160	80	
Reissue	300	150	500	250	600	300	
Provisional	200	100	0	0	0	0	

#### 2. EXCESS CLAIM FEES

##### Fee Description

Each claim over 20 (including Reissues)

Each independent claim over 3 (including Reissues)

Multiple dependent claims

Total Claims	Extra Claims	Fee (\$)	Fee Paid (\$)	Multiple Dependent Claims	Small Entity Fee (\$)
					Fee (\$)
- 20 or HP =	x	=			50 25
HP = highest number of total claims paid for, if greater than 20.					200 100
- 3 or HP =	x	=			360 180
HP = highest number of independent claims paid for, if greater than 3.					

#### 3. APPLICATION SIZE FEE

If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof	Fee (\$)	Fee Paid (\$)
- 100 =	/ 50 =	(round up to a whole number) x		=

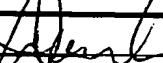
#### 4. OTHER FEE(S) Fee Code 1454 CFR 1.17(t)

Non-English Specification, \$130 fee (no small entity discount)

Other (e.g., late filing surcharge): Petition for Accepting an Unintentionally Delayed Benefit Claim

\$1,370

### SUBMITTED BY

Signature		Registration No. (Attorney/Agent) 38,842	Telephone +65 98369908
Name (Print/Type)	Dexter CHIN		Date January 17, 2005

This collection of information is required by 37 CFR 1.136. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Appl. No.: 10/707,968  
 Petition under 37 CFR 1.78(a)(3)  
 for Accepting and Unintentionally Delayed Benefit Claim dated January 17, 2005  
 Response to Decision of November 19, 2004

## PATENT

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appl. No.	: 10/707,968	Confirmation No.	: 1967
Applicant	: Dominique <u>MANGELINCK</u> et al.		
Filed	: January 29, 2004		
TC / A.U.	: 2811		
Examiner	: Not Assigned Yet		
Docket No.	: ASTAP2004-01		
Customer No.	: 031366		
Title	: Gate Electrodes and the Formation Thereof		

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 facsimile transmitted to the United States Patent and  
 Trademark Office, Alexandria, VA 22313-1450  
 January 17, 2005.

Signed:

Wendy

Wendy LIM

Mail-Stop PCT  
 Commissioner for Patents  
 Office of PCT Legal Administration  
 P.O. Box 1450  
 Alexandria, Virginia 22313-1450

Petition Under 37 CFR §1.78(a)(3) for Accepting an  
Unintentionally Delayed Benefit Claim

Sir:

In response to the Decision mailed on November 19, 2004 dismissing the renewed petition under 37 CFR §1.182 filed November 12, 2004, Applicants respectfully petition under 37 CFR §1.78(a)(3) for accepting an unintentionally delayed benefit claim under 35 U.S.C. §120. The present application is a continuation of international application PCT/SG02/00174, filed July 31, 2002. The international application claims priority of

Appl. No.: 10/707,968

Petition under 37 CFR 1.78(a)(3)

for Accepting and Unintentionally Delayed Benefit Claim dated January 17, 2005

Response to Decision of November 19, 2004

Singaporean Application No. 200104614-3, filed July 31, 2001. The specific reference required under 35 U.S.C. §120 and 37 CFR §1.78(a)(2) is included in an application data sheet attached herewith.

In addition, please replace the first paragraph of the specification beginning with the following amended paragraph:

-- This application is the ~~National Stage of~~ a continuation of International Application No. PCT/SG02/00174, filed July 31, 2002, now abandoned and which was published in English under PCT Article 21(2) as WO 03/012876 A1 on February 13, 2003. The international application claims priority to Singaporean Application No. 200104614-3, filed July 31, 2001. --

The entire delay between the date the claim was due under 37 CFR §1.78(a)(2)(ii) and the date this claim is filed was unintentional. Please charge the Petition fee of \$1370.00 under 37 CFR §1.17(t) to Deposit Account No. 50-2388. The Commissioner is further authorized to charge any additional fees which may be required, or credit any overpayment to this account. Issuance of a corrected formal filing receipt is respectfully solicited.

Dated: January 17, 2005

Respectfully submitted,



Dexter CHIN  
Attorney for Applicants  
Reg. No. 38,842

Horizon IP Pte Ltd  
166 Kallang Way,  
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Singapore 349249  
Tel: (65) 9836 9908  
Fax: (65) 6746 8263

## APPLICATION DATA SHEET

Electronic Version v14  
 Stylesheet Version v14.0

**Title of Invention**

Gate Electrodes and the Formation Thereof

Application Type: regular, utility

Attorney Docket Number: ASTAP2004-01

## Correspondence address:

**Customer Number:**

031366

\*031366\*

## Continuing Data:

This is a continuation of International Application PCT/SG02/00174, filed 2002-07-31, now Abandoned.

## Priority Data:

Doc.No: 0104614-3; Country - SG; Date: 2001-07-31 us-priority-claimed

## Inventors Information:

Inventor 1:**Applicant Authority Type:** Inventor**Citizenship:** FR**Name prefix:** Mr.**Given Name:** Dominique**Family Name:** Mangelinck**City of Residence:** Marseille**Country of Residence:** FR**Address-1 of Mailing Address:** L2MP, UMR CNRS 6137, Case 151,**Address-2 of Mailing Address:** Faculte de St Jerome, Marseille Cedex 20, France 13397**City of Mailing Address:** Marseille**State of Mailing Address:****Postal Code of Mailing Address:** 13397**Country of Mailing Address:** FR**Phone:****Fax:****E-mail:**Inventor 2:**Applicant Authority Type:** Inventor**Citizenship:** PRC

## APPLICATION DATA SHEET

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**State of Mailing Address:**  
**Postal Code of Mailing Address:** 609775  
**Country of Mailing Address:** SG  
**Phone:**  
**Fax:**  
**E-mail:**

Inventor 3:

**Applicant Authority Type:** Inventor  
**Citizenship:** IN  
**Name prefix:** Mr.  
**Given Name:** Syamal Kumar  
**Family Name:** Lahiri  
**City of Residence:** Milpitas  
**State of Residence:** CA  
**Country of Residence:** US  
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**State of Mailing Address:** CA  
**Postal Code of Mailing Address:** 95035  
**Country of Mailing Address:** US  
**Phone:**  
**Fax:**  
**E-mail:**

## Attorney Information:

practitioner(s) at Customer Number:

031366 \*031366\*

as our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office connected therewith.

## APPLICATION DATA SHEET

Assignee 1:

**Organization Name:** Agency for Science, Technology and Research  
**Address-1 of Mailing Address:** 20 Biopolis Way, #07-01 Centros  
**Address-2 of Mailing Address:**  
**City of Mailing Address:** Singapore  
**State of Mailing Address:**  
**Postal Code of Mailing Address:** 138668  
**Country of Mailing Address:** SG  
**Phone:**  
**Fax:**  
**E-mail:**